

1	05/14/21	ARB	FOR REVIEW
0	05/10/21	ARB	FOR REVIEW
No.	DATE	BY	Description

REVISIONS			
DRAWN BY	ARB		
APPROVED BY			
CHECKED BY	KAP		
DATE	05/14/2021		

TITLE

DOM05A
INSTALLATION
PLAN

PROJECT NO. 50106442

DOM05A-01

SHEET NO.

INSTALLATION PLAN NOTES

1. PLAN SHOWN HERE REPRESENTS "INSTALLATION PLAN" FOR CONSTRUCTION. SEE SHEET DOM05A-R1 FOR "RESTORATION PLAN" AND TOTAL CALCULATIONS
2. SEE CROSS SECTIONS ON THIS SHEET, FOR CORRESPONDING CROSS SECTIONS AND EARTHWORK CALCULATIONS.
3. THE FREQUENCY OF CROSS SECTION SAMPLES VARIES BETWEEN 100FT AND 50FT SPACING; FREQUENCY IS INCREASED DEPENDING ON THE AMOUNT OF PROPOSED EARTHWORK AT EACH LOCATION.
4. EXISTING GRADES SHOWN ON CROSS SECTIONS AND PLAN & PROFILE ARE BASED ON LIDAR DATA PROVIDED BY DOMINION ENERGY.
5. PROPOSED GRADING IS DESIGNED WITH 1:1 CUT SLOPES AND 1.5:1 FILL SLOPES UNLESS OTHERWISE NOTED.
6. PROFILE SHOWS 8FT OFFSETS TO LEFT AND RIGHT OF CENTERLINE TO ILLUSTRATE EXISTING GRADE ON EDGE OF ROADWAY WITH 16FT WIDTH.
7. CROSS SECTIONS SHOWN ON PLANS ARE FOR PURPOSES OF DESIGN, CONSTRUCTION, AND REVIEW.
8. THE BELOW CUT/FILL SUMMARY TABLE IS NOT DEPENDENT ON CROSS SECTION FREQUENCY (I.E. AVERAGE END AREA METHOD). THE CUT/FILL SUMMARY TABLE IS DEVELOPED BASED ON 3D MODELING (COMPOSITE VOLUMES) OF THE EXISTING AND PROPOSED GRADES.
9. EXCESS MATERIALS SHALL BE STORED IN TEMPORARY STOCKPILE AREAS AS SHOWN ON ROAD PLANS FOR CE 42 AND 44.
10. CE 43 DESIGN PER RES WVDOH ENTRANCE PERMIT DRAWINGS DATED 08.18.2020.

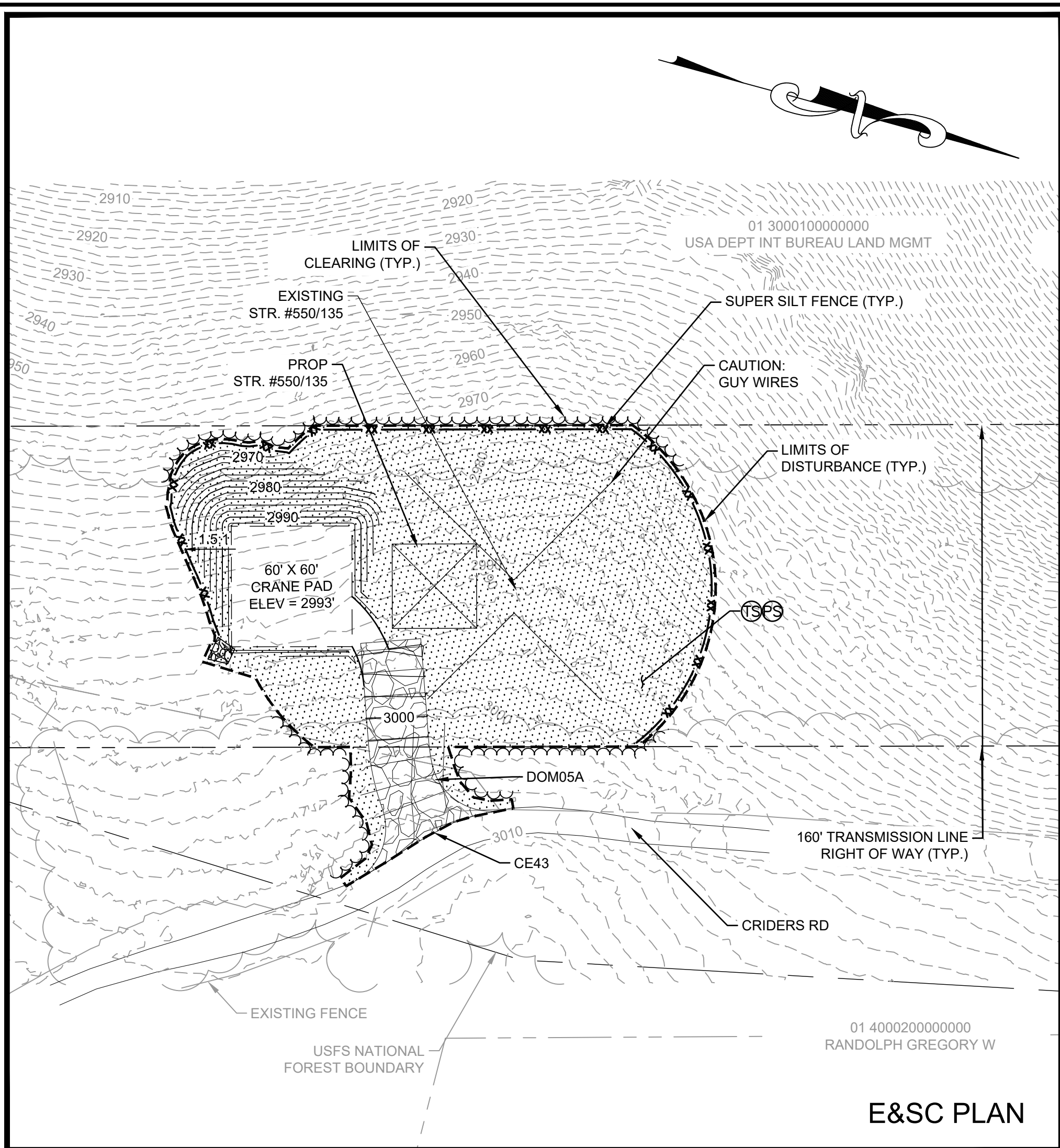
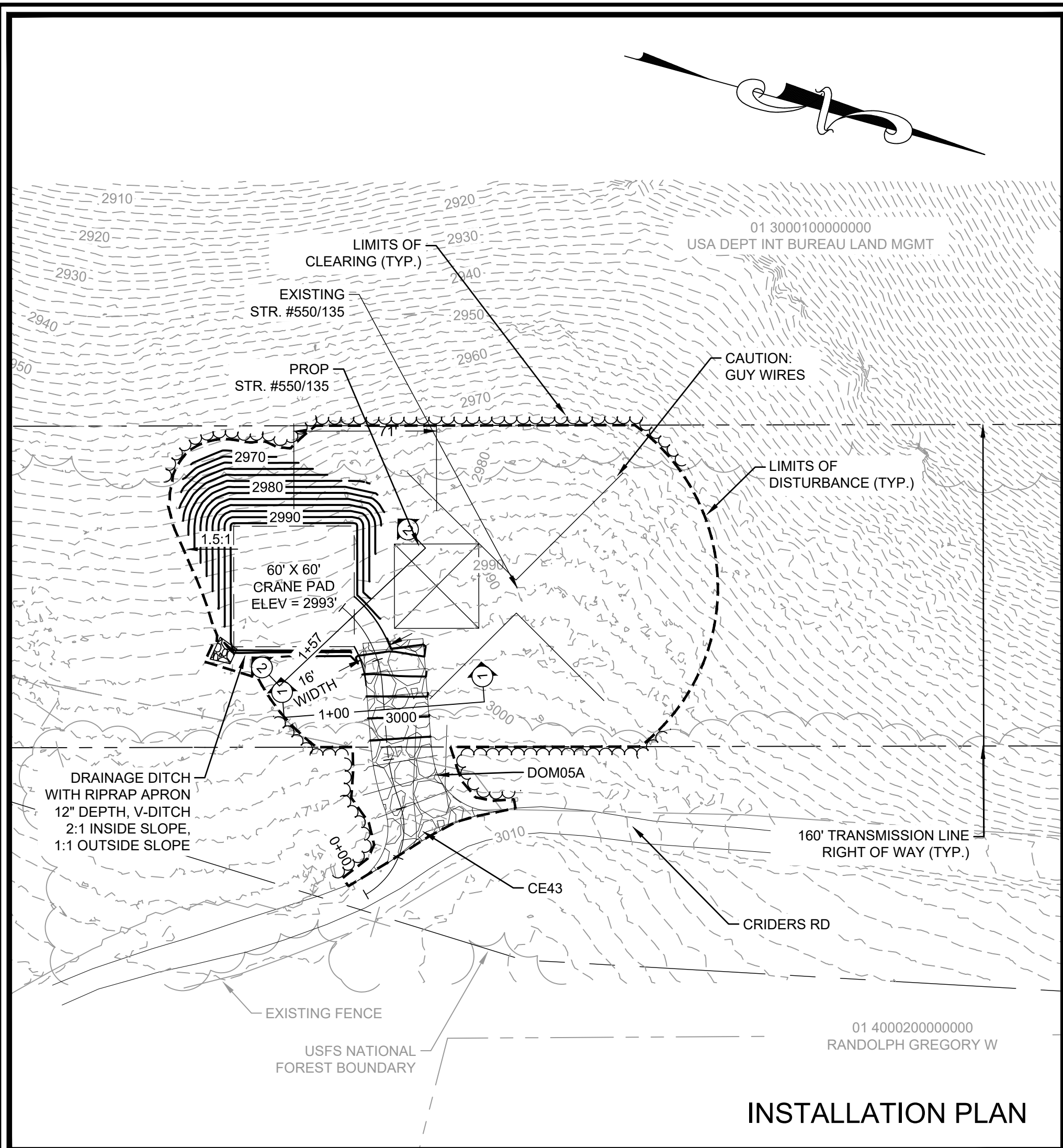
DOM05A INSTALLATION PLAN EARTHWORK CALCULATIONS			
	CUT (CY)	FILL (CY)	NET (CY)
INSTALL CRANE PAD AT STR. #135	31	1684	1653 (FILL)
INSTALL SPUR ROAD TO STR. #135	53	14	38 (CUT)
INSTALLATION TOTALS	84	1698	1614 (FILL)

E&SC LEGEND

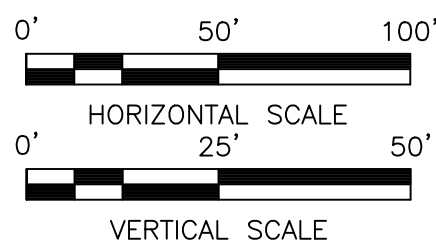
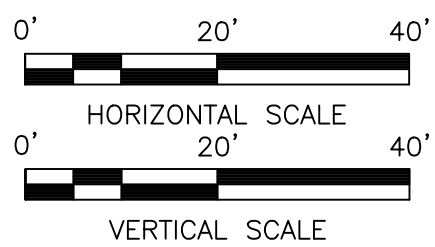
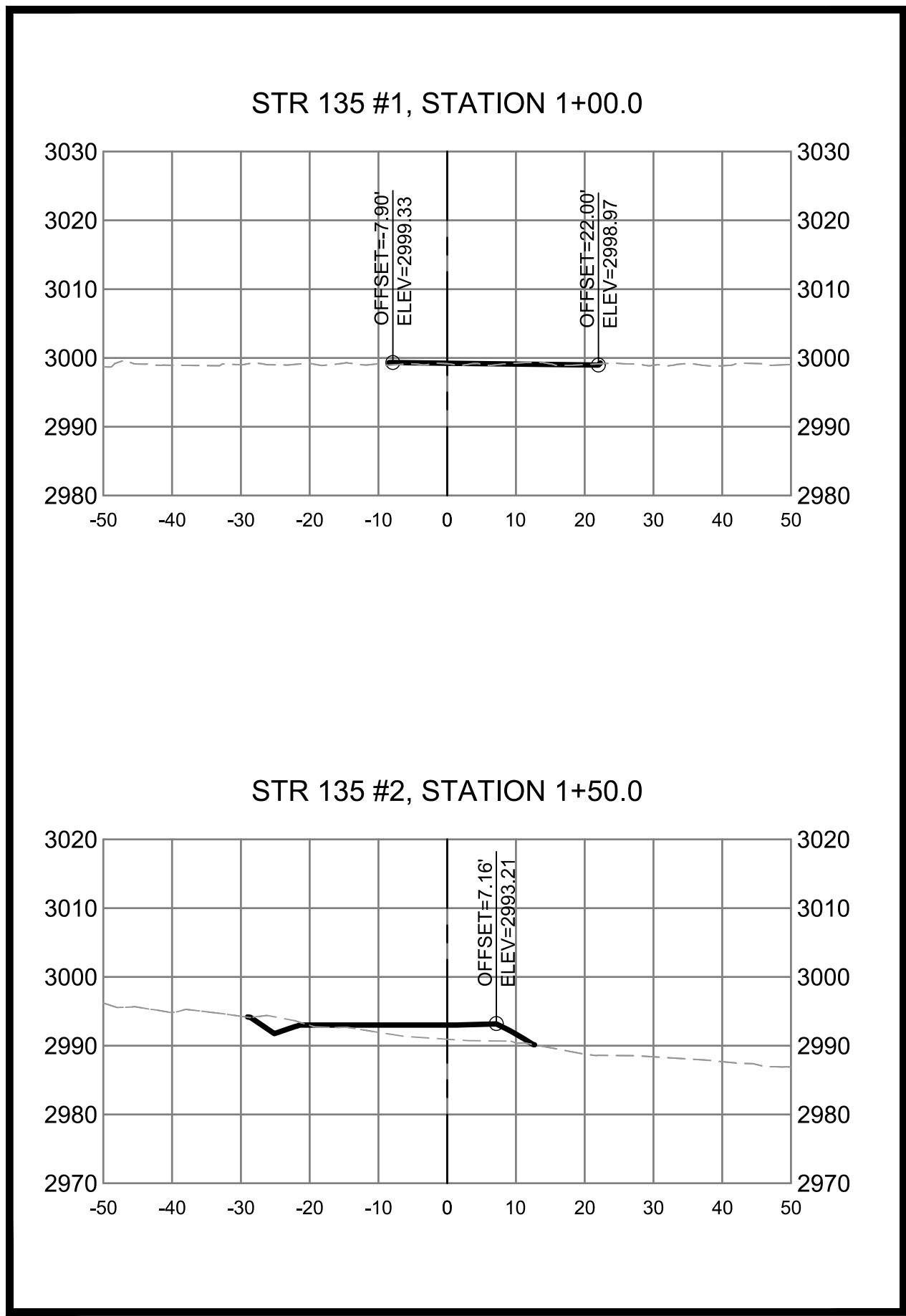
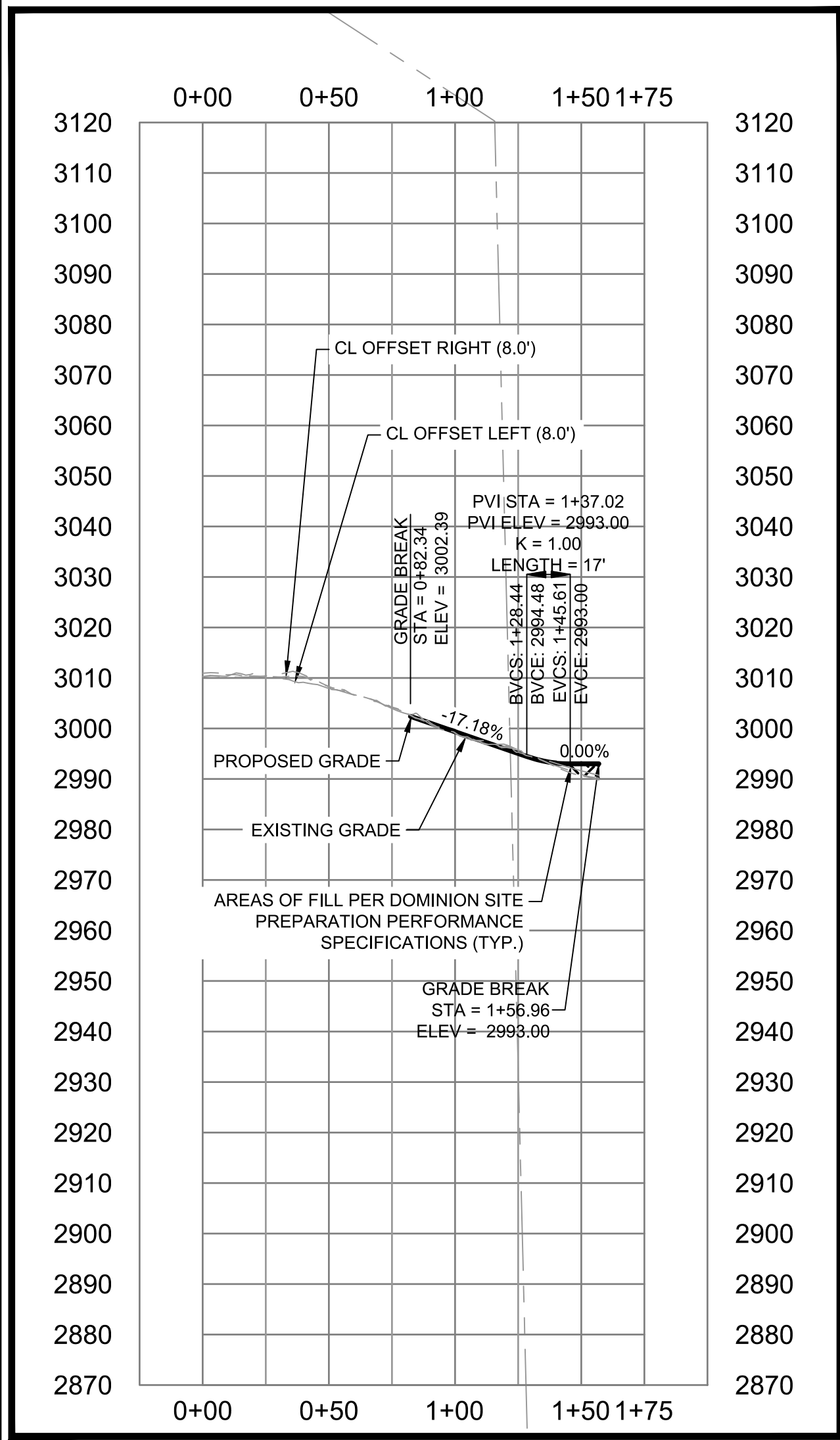
- PROPOSED 12" SILT SOCK
- PROPOSED SILT FENCE
- PROPOSED SUPER SILT FENCE
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED RIPRAP APRON
- PROPOSED LIMITS OF CLEARING

HATCH LEGEND

- TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00



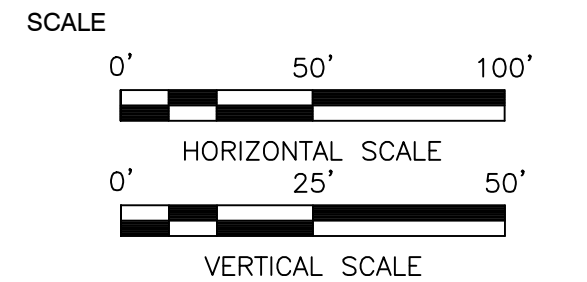
RIPRAP APRON SIZING						
OUTLET NUMBER	FLOW (CFS)	D_50 (IN)	BLANKET THICKNESS (IN)	LENGTH (FT)	WIDTH (FT)	AGGREGATE
DA 1 DITCH OUTLETS	0.72	6	14	10	12	VDOT CLASS A1



TRANSMISSION LINE REBUILD
PROJECT TL 550
CONSTRUCTION DOCUMENTS
GEORGE WASHINGTON NATIONAL FOREST
WEST VIRGINIA & VIRGINIA

SEAL

PRELIMINARY
NOT FOR CONSTRUCTION



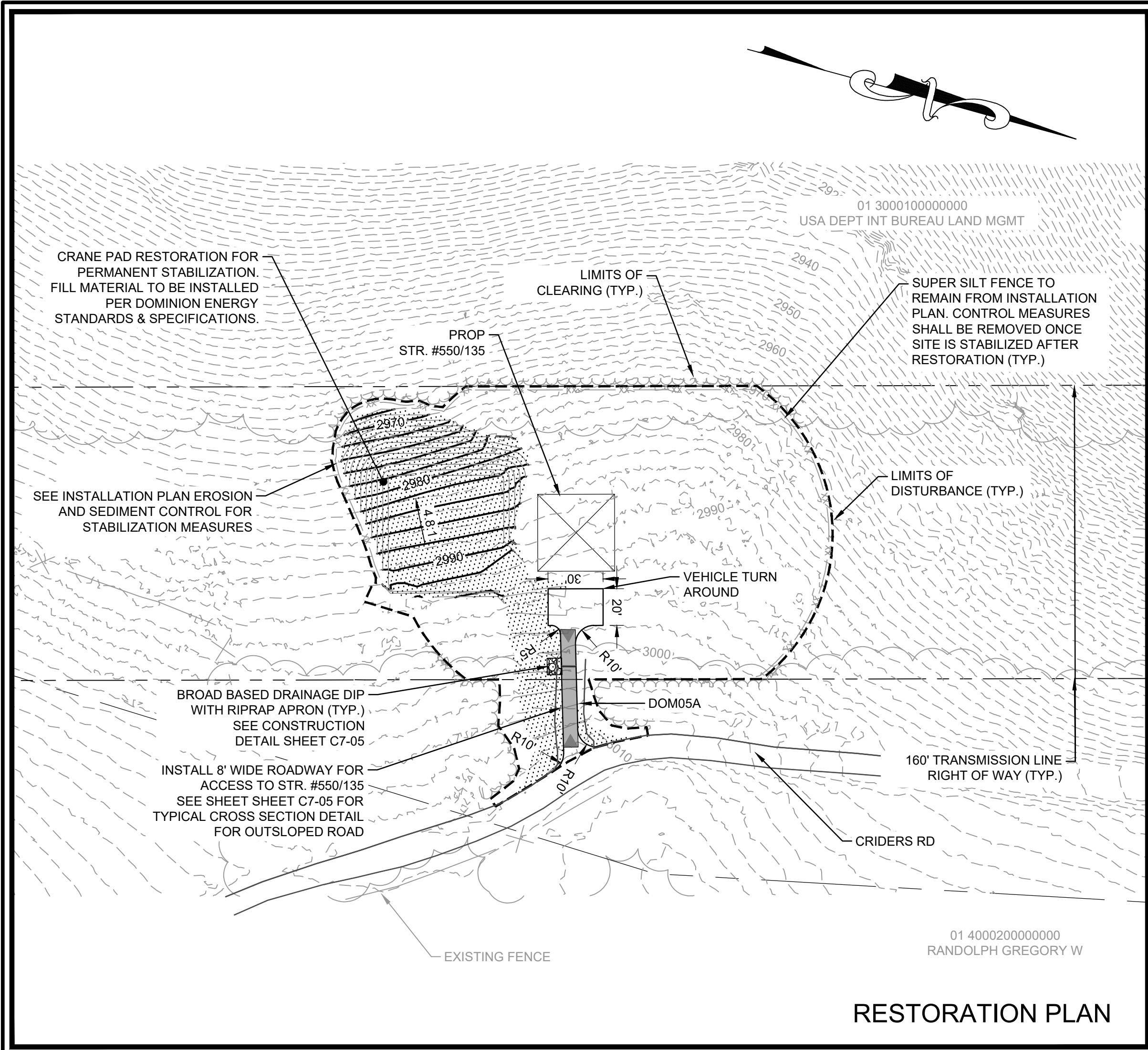
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DOM05A
RESTORATION
PLAN

PROJECT NO. 50106442

SHEET NO.



RESTORATION PLAN NOTES

- PLAN SHOWN HERE REPRESENTS "RESTORATION PLAN". SEE SHEET DOM05A-01 FOR "INSTALLATION PLAN"
- FOR SHENANDOAH CREST ZONE MITIGATION MEASURES, REFER TO ENVIRONMENTAL ASSESSMENT (EA), DESIGN ELEMENTS AND THREATENED & ENDANGERED SPECIES SECTIONS.
- FIELD MODIFICATIONS WITHIN THE PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) MAY BE APPROVED BY THE CONSTRUCTION COORDINATOR/CERTIFIED LAND DISTURBER AND NOTED ON THE DRAWING. FIELD MODIFICATIONS THAT EXTEND OUTSIDE OF PERMITTED CONSTRUCTION LIMITS (AS SHOWN ON THE PROJECT MAPS) REQUIRE APPROVAL BY THE GWNF PRIOR TO IMPLEMENTATION.
- CRANE PADS ARE TO BE STABILIZED AS SHOWN ON RESTORATION PLAN. DUE TO PRESENCE OF ROCK, SITE CONTRACTOR AND ENVIRONMENTAL COMPLIANCE COORDINATOR MAY USE GEOTECHNICAL DATA TO DETERMINE SOIL STABILITY AT CRANE PADS AFTER INSTALLATION.
- NARROWED ROAD WIDTH AS SHOWN ON RESTORATION PLAN IS BASED ON THE AVERAGE EXISTING ROAD WIDTH DETERMINED BY LIDAR SURVEY.
- IN ADDITION TO TEMPORARY AND PERMANENT SEEDING, JUTE MATTING MAY BE REQUIRED TO ENSURE STABILIZATION.
- REFER TO GEORGE WASHINGTON NATIONAL FOREST FORESTWIDE STANDARDS AND EROSION AND SEDIMENT CONTROL STANDARD NOTES AND DETAILS INCLUDED AT THE FRONT OF THE TL 550 PHASE 3 CONSTRUCTION DOCUMENT PACKAGE.
- EXISTING GRADES SHOWN ON CROSS SECTIONS AND PLAN & PROFILE ARE BASED ON LIDAR DATA PROVIDED BY DOMINION ENERGY.
- PROFILE SHOWS 8FT OFFSETS TO LEFT AND RIGHT OF CENTERLINE TO ILLUSTRATE EXISTING GRADE ON EDGE OF ROADWAY WITH 16FT WIDTH.

E&SC LEGEND

- PROPOSED 12" SILT SOCK
- PROPOSED SILT FENCE
- PROPOSED SUPER SILT FENCE
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED RIPRAP APRON
- PROPOSED LIMITS OF CLEARING

HATCH LEGEND

- TEMPORARY & PERMANENT SEEDING, SEE DOMINION SPEC TE VEP 8000-13-00
- REVEGETATE AND DECOMPACT PER MITIGATION MEASURES IN EA

DOM05A INSTALLATION PLAN EARTHWORK CALCULATIONS

	CUT (CY)	FILL (CY)	NET (CY)
INSTALL CRANE PAD AT STR. #135	31	1684	1653 (FILL)
INSTALL SPUR ROAD TO STR. #135	53	14	38 (CUT)
INSTALLATION TOTALS	84	1698	1614 (FILL)

DOM05A RESTORATION PLAN EARTHWORK CALCULATIONS

	CUT (CY)	FILL (CY)	NET (CY)
RESTORE CRANE PAD AT STR. #135	1603	13	1590 (CUT)
RESTORATION TOTALS	1603	13	1590 (CUT)

FINAL EARTHWORK BALANCE

	NET (CY)
DOM05A INSTALLATION	1614 (FILL)
DOM05A RESTORATION	1590 (CUT)
DOM05A TOTAL	24 (FILL)

EARTHWORK NOTES

- EXCESS MATERIALS SHALL BE STORED IN TEMPORARY STOCKPILE AREAS AS SHOWN ON ROAD PLANS FOR CE43-44.
- WHERE ADDITIONAL FILL MATERIAL IS REQUIRED, SUITABLE EXCESS MATERIALS FROM INSTALLATION AND RESTORATION OF OTHER ROADS WITHIN THE GWNF MAY BE USED.
- OVERALL EARTHWORK BALANCES FOR CE43-44 WILL BE PROVIDED IN SUMMARY TABLE.